

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA02222NY-D

This certificate, issued to Delta Engineering
13 DRBA Way
New Castle County Airport
New Castle, Delaware 19720

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product — Type Certificate Number: 2A3
Make: Mooney
Model: M20J

Description of Type Design Change:

Installation of Insight Instruments Corp TAS-1000 Air Data Computer in accordance with Delta Engineering Master Data List 0126-05977-2081, Revision -, dated Nov. 7, 2006.

Limitations and Conditions:

1. Delta Engineering Instructions for Continued Airworthiness document 0726-05892-2081, Revision - dated Sept 05, 2006.
2. If the holder agrees to permit another person to use the certificate to alter the product, the holder shall give the other person written evidence of that permission.
3. Compatibility of this design change with previously approved modifications must be determined by the installer.

(See Continuation Sheet 2)

This certificate and the supporting data which is the basis for approval shall remain in effect surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 05, 2006

Date reissued:

Date of issuance: April 16, 2007

Date amended:



By direction of the Administrator

John A. Moritz
John A. Moritz
DAS Administrator
Delta Engineering, DAS-800728-NE
(Title)

Any Alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47

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(Continuation Sheet)

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Date of issuance: April 16, 2007

Certification Basis:

Based on Title 14 CFR §§21.115 and 21.101, the certification basis for the Mooney, M20J aircraft with the TAS-1000 is as follows:

- a. The type certification basis for the Mooney M20J airplane is as shown on the TCDS 2A3 except as listed below.

Section	Title	At Amendment
23.337	Limit Maneuvering load factors	23-7
23.341	Gust Load Factors	23-7
23.561	General	23-7
23.603	Materials and workmanship	23-17
23.611	Accessibility provision	23-7
23.619	Special factors	23-7
23.831	Ventilation	23-42
23.1301	Function and installation	23-20
23.1307	Misc Equipment	23-49
23.1309	Equipment, systems and installation	23-49
23.1325	Static pressure system	23-50
23.1351	General	23-49
23.1357	Circuit protective devices	23-43
23.1359	Electrical system fire protection	23-49
23.1529	Instructions for Continued Airworthiness	23-26

=====END=====

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